

# *Cognitive Aging Summit*

*Capital Hilton, Washington, D.C.*

*October 10–12, 2007*

## **OPENING RECEPTION**

*(registration required)*

October 9, 2007

6:00–8:00 p.m.

Pan American Room

Capital Hilton

## **SCIENTIFIC CONFERENCE**

*(registration required)*

October 10–11, 2007

Federal Room A/B

Capital Hilton

## **OCTOBER 10**

<b>7:30–8:00 a.m.</b>	<b>Continental Breakfast</b>	<i>Upper South Lobby</i>
8:00–8:20 a.m.	<b>Introductions</b> <i>Richard J. Hodes, M.D., National Institute on Aging</i> <i>J. Lee Dockery, M.D., Trustee, McKnight Brain Research Foundation</i>	Federal Room A/B
<b>8:20 a.m.</b>	<b>SESSION I</b> <b>What Are the Critical Characteristics and Measures of Cognitive Aging?</b>	
8:20–9:05 a.m.	Speakers  <i>Marilyn S. Albert, Ph.D., Johns Hopkins University School of Medicine</i> <i>Peter R. Rapp, Ph.D., Mount Sinai School of Medicine</i> <i>John J. McArdle, Ph.D., University of Southern California</i> <i>Sherry L. Willis, Ph.D., The Pennsylvania State University</i>	
9:05–9:30 a.m.	Panel Discussion Chair: <i>Timothy A. Salthouse, Ph.D., University of Virginia</i> <i>Martha Storandt, Ph.D., Washington University in St. Louis</i> <i>Marcia K. Johnson, Ph.D., Yale University</i> <i>Robert S. Wilson, Ph.D., Rush University Medical Center</i>	
9:30–10:00 a.m.	General Discussion	
10:00–10:15 a.m.	BREAK	

## OCTOBER 10 (cont.)

- 10:15 a.m.**                                **SESSION II**  
**How Important Are Plasticity, Compensation, and Selective Vulnerability to Cognitive Aging?**
- 10:15–11:00 a.m.                        Speakers  
*Carol A. Barnes, Ph.D., McKnight Brain Institute, University of Arizona*  
*Michela Gallagher, Ph.D., Johns Hopkins University*  
*Yaakov Stern, Ph.D., Columbia University College of Physicians and Surgeons*  
*Cheryl L. Grady, Ph.D., University of Toronto*
- 11:00–11:25 a.m.                        Panel Discussion  
Chair: *Randy L. Buckner, Ph.D., Harvard University*  
*Scott A. Small, M.D., Columbia University College of Physicians and Surgeons*  
*Roberto Cabeza, Ph.D., Duke University*  
*Adam Gazzaley, M.D., Ph.D., University of California, San Francisco*
- 11:25 a.m.–12:05 p.m.                Discussion
- 12:05–12:50 p.m.                        LUNCH (will be provided)
- 12:50 p.m.**                                **SESSION III**  
**What Are the Most Important Molecular and Cellular Mechanisms of Cognition and Selective Vulnerability in Aging?**
- 12:50–1:35 p.m.                        Speakers  
*John F. Disterhoft, Ph.D., Feinberg School of Medicine, Northwestern University*  
*Thomas C. Foster, Ph.D., McKnight Brain Institute, University of Florida*  
*John H. Morrison, Ph.D., Mount Sinai School of Medicine*  
*Mark B. Moss, Ph.D., Boston University School of Medicine*
- 1:35–2:00 p.m.                        Panel Discussion  
Chair: *Alcino J. Silva, Ph.D., University of California, Los Angeles*  
*John C. Morris, M.D., Washington University School of Medicine*  
*Rick I. Morimoto, Ph.D., Northwestern University*  
*Paul Greengard, Ph.D., Rockefeller University*
- 2:00–2:30 p.m.                        General Discussion
- 2:45–3:00 p.m.                        BREAK
- 3:00 p.m.**                                **SESSION IV**  
**What Are the Genetic and Epigenetic Factors in Age-Related Cognitive Function?**
- 3:00–3:45 p.m.                        Speakers  
*Thomas E. Johnson, Ph.D., University of Colorado at Boulder*  
*J. David Sweatt, Ph.D., McKnight Brain Institute, University of Alabama at Birmingham*  
*Richard Mayeux, M.D., M.Sc., Columbia University College of Physicians and Surgeons*  
*Philip W. Landfield, Ph.D., University of Kentucky College of Medicine*

## OCTOBER 10 (cont.)

- 3:45–4:15 p.m. Panel Discussion  
Chair: *Bruce A. Yankner, M.D., Ph.D., Harvard University School of Medicine*  
*Tomas A. Prolla, Ph.D., University of Wisconsin–Madison*  
*Eric M. Reiman, M.D., Banner Alzheimer’s Institute*  
*Chandra A. Reynolds, Ph.D., University of California, Riverside*  
*Li-Huei Tsai, Ph.D., Massachusetts Institute of Technology*
- 4:15–4:45 p.m. Discussion
- 4:45–5:00 p.m. Wrap-Up/Next-Day Logistics

## OCTOBER 11

- 8:00–8:30 a.m. Continental Breakfast *Upper South Lobby*
- 8:30 a.m. **SESSION V** *Federal Room A/B*  
**How Do Psychosocial, Cultural, and Environmental Factors Shape Cognitive Aging?**
- 8:30–9:15 a.m. Speakers  
*Archana Singh-Manoux, Ph.D., INSERM, France*  
*Laura L. Carstensen, Ph.D., Stanford University*  
*Margie E. Lachman, Ph.D., Brandeis University*  
*Mark P. Mattson, Ph.D., National Institute on Aging*
- 9:15–9:40 a.m. Panel Discussion  
Chair: *Bruce S. McEwen, Ph.D., Rockefeller University*  
*Elizabeth Gould, Ph.D., Princeton University*  
*Jennifer J. Manly, Ph.D., Columbia University College of Physicians and Surgeons*  
*Burton H. Singer, Ph.D., Princeton University*
- 9:40–10:10 a.m. General Discussion
- 10:10–10:25 a.m. BREAK
- 10:25 a.m. **SESSION VI**  
**What Role Do Other Systems and Diseases Play in Cognitive Aging?**
- 10:25–11:10 a.m. Speakers  
*Lon R. White, M.D., M.P.H., University of Hawaii School of Medicine*  
*Roberta Diaz Brinton, Ph.D., University of Southern California*  
*Kristine Yaffe, M.D., University of California, San Francisco and San Francisco VA Medical Center*  
*Sean P.A. Drummond, Ph.D., University of California, San Diego*

## OCTOBER 11 (cont.)

- 11:10–11:35 a.m. Panel Discussion  
Chair: *James W. Simpkins, Ph.D., University of Texas Health Science Center*  
*Pauline M. Maki, Ph.D., University of Illinois at Chicago*  
*Joseph Rogers, Ph.D., Sun Health Research Institute*  
*Lenore J. Launer, Ph.D., National Institute on Aging*
- 11:35 a.m.–12:05 p.m. General Discussion
- 12:05–12:50 p.m. LUNCH (will be provided)
- 12:50 p.m. SESSION VII**  
**How Does Adaptive Cognition Change Over the Lifespan?**
- 12:50–1:35 p.m. Speakers  
*Neil H. Charness, Ph.D., Florida State University*  
*Sara J. Czaja, Ph.D., University of Miami School of Medicine*  
*David I. Laibson, Ph.D., Harvard University*  
*Eric J. Johnson, Ph.D., Columbia University*
- 1:35–2:00 p.m. Panel Discussion  
Chair: *John Gabrieli, Ph.D., Massachusetts Institute of Technology*  
*Valerie F. Reyna, Ph.D., Cornell University*  
*David R. Weir, Ph.D., University of Michigan*  
*Carmi Schooler, Ph.D., National Institute of Mental Health*
- 2:00–2:30 p.m. General Discussion
- 2:30–2:45 p.m. BREAK
- 2:45 p.m. **SESSION VIII**  
**What Are the Most Important Interventions for Promoting or Maintaining Healthy Cognitive Aging?**
- 2:45–3:20 p.m. **SESSION VIII A**  
**Pharmaceutical/Nutraceutical**
- Speakers  
*Paula C. Bickford, Ph.D., University of South Florida*  
*Amy F.T. Arnsten, Ph.D., Yale University School of Medicine*  
*Carl W. Cotman, Ph.D., University of California, Irvine*
- 3:20–3:25 p.m. Session VIII A  
Chair: *Tim Tully, Ph.D., Dart Neuroscience*

## OCTOBER 11 (cont.)

- 3:25 p.m. **SESSION VIII B**  
**Behavioral/Environmental/Social/Technological Approaches**
- 3:25–4:00 p.m. **Speakers**  
*Arthur F. Kramer, Ph.D., University of Illinois, Urbana–Champaign*  
*Karlene K. Ball, Ph.D., University of Alabama at Birmingham*  
*Wendy A. Rogers, Ph.D., Georgia Institute of Technology*
- 4:00–4:05 p.m. **Session VIII B**  
**Chair:** *Denise Park, Ph.D., University of Illinois, Urbana–Champaign and University of Texas at Dallas*
- 4:05–4:30 p.m. **Panel Discussion**  
*Gregory M. Rose, Ph.D., Cognition Consultants*  
*Michael M. Merzenich, Ph.D., Posit Science Corporation*  
*George W. Rebok, Ph.D., Johns Hopkins University*  
*Scott C. Brown, Ph.D., University of Miami School of Medicine*
- 4:30–5:00 p.m. **General Discussion**
- 5:00–5:10 p.m. **Closing Remarks**  
*Judith A. Salerno, M.D., National Institute on Aging*

## OCTOBER 12 – EXECUTIVE SESSION

### **(CLOSED SESSION — INVITATION ONLY)**

- 8:30–9:00 a.m. **Continental Breakfast** *Upper Lobby South*
- 9:00–9:10 a.m. **Opening Remarks** *Federal Room A/B*  
*Marcelle Morrison-Bogorad, Ph.D., National Institute on Aging*  
*Richard Suzman, Ph.D., National Institute on Aging*
- 9:00–10:15 a.m. **Discussion** *Federal Room A/B*
- 10:15–10:30 a.m. **BREAK**
- 10:30–12:00 noon **General Recommendations**
- 12:00 noon **Closing Remarks**  
*Molly V. Wagster, Ph.D., National Institute on Aging*